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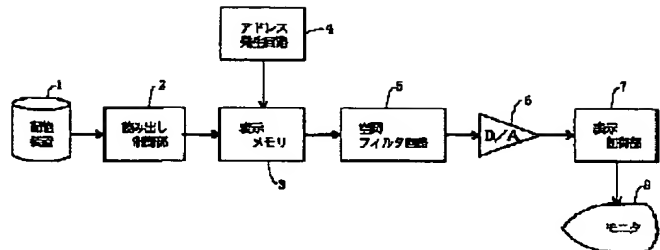
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TITLE : DIGITAL IMAGE PROCESSOR



**ABSTRACT :** PROBLEM TO BE SOLVED: To improve the picture quality and to speed up the processing by providing an address generating means, a spatial filter which interpolates a tile-enlarged image, etc., and composing the spatial filter of a circuit constituted into a gate array.

**SOLUTION:** A readout control part 2 reads a source image to be displayed as a moving picture out of a storage device 1 in order according to the display speed and stores the source image in a display memory 3 as it is. An address generating circuit 4 generates a read address for tile enlargement once the source image is stored in the display memory 3 and performs the tile enlargement of the image. The spatial filter circuit 5 constituted into the gate array performs an interpolating process. Then the storage of the source image in the display memory 3, the tile enlargement, and the interpolating process by the spatial filter circuit 5 are repeated in order according to the display speed. Therefore, the tile-enlarged image is interpolated, so the picture quality is improved and the displayed moving picture becomes easy to see.

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